Activity 2.2.2  Manufacturing Processes

Introduction

Have you ever examined a product and wondered how it was made? Did you consider why the creators chose certain materials for the product? The next time you are in a convenience store, walk back to the refrigerated area and look at the different containers that hold liquid. You will see an amazing variety of shapes and sizes, yet each container is designed to do the same thing – hold a liquid substance.

While many of us wonder why the container was made, few of us consider the importance of how the container was made. Manufacturing processes play a vital role in the production of consumer products.

Equipment

- Internet access

Procedure

1. Investigate the manufacturing process(es) used to create the component that you modeled in Activity 2.2.1 Product Analysis.

2. Create an electronic illustration outlining the manufacturing processes used to create the product from raw material to finished product.

3. Cite the source(s) that assisted you in identifying the manufacturing process(es) for your modeled part.

Conclusion

1. What newer materials are changing the traditional production process, and how is the process being changed?

2. What are the social, economic, and environmental impacts associated with the production changes?